

a conductive reflecting film on said phosphor screen;

a sol uniformly applied to said conductive reflecting film that, when baked, forms an oxide as a heat absorbing film, said sol containing a material in a colloidal state.

5. (Amended) The intermediate product for making a color cathode-ray tube according to claim 4, wherein the material is at least one member selected from a group consisting of silicon, manganese, aluminum and tin antimonide.

6. (Amended) The intermediate product for making a color cathode-ray tube according to claim 5, wherein the sol is dispersed with the fine carbon powder.

7. (newly-added) The intermediate product for making a color cathode-ray tube according to claim 4, wherein a dispersion medium of said sol evaporates at a temperature equal to or more than an ordinary temperature before said sol is applied to said conductive reflecting film.

8. (newly-added) The intermediate product for making a color cathode ray tube wherein said sol is a product generated by hydrolysis of an alkoxide.